

| Ref # | Hits | Search Query  | DBs      | Default Operator | Plurals | Time Stamp       |
|-------|------|---|----------|------------------|---------|------------------|
| L1    | 0    | (collector and (semiconductor adj substrate) and (band adj gap adj energy) and orientaion and "[011]" and "[010]" and emitter).clm. | USPAT    | OR               | OFF     | 2005/11/13 10:07 |
| L2    | 0    | (collector and (semiconductor adj substrate) and (band adj gap adj energy) and orientaion and "[011]" and "[010]" and emitter).clm. | US-PGPUB | OR               | OFF     | 2005/11/13 10:07 |

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|-------|------|---|---|------------------|---------|------------------|
| L1    | 57   | (hbt or dhbt or (hetero adj junction adj bipolar)) and orientation and (band adj gap) | USPAT   | OR               | OFF     | 2005/11/13 09:35 |
| L2    | 154  | (hbt or dhbt or (hetero adj junction adj bipolar)) and orientation and (band adj gap) | US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/11/13 09:35 |